IN THE CLAIMS:

1-4 (cancelled)

5. (previously presented) In a power supply circuit for generating a supply voltage based on an input constant voltage and supplying the supply voltage to a load, the improvements comprising:

a delay circuit configured to delay the input constant voltage;

an output circuit configured to generate the supply voltage from the input constant voltage delayed by the delay circuit and to supply the generated supply voltage to the load; and

a bootstrap circuit configured to heighten an input impedance of the output circuit and substantially reduce shock noise.

- 6. (previously presented) The power supply circuit claimed in claim 5, wherein a current supplied to an input of the output circuit from the bootstrap circuit is set to a current value to drive the output circuit.
- 7. (previously presented) The power supply circuit claimed in claim 5, wherein the bootstrap circuit includes a circuit component which has the same electrical characteristic as the output circuit, is connected to the output in series, and supplies a current to an input of the output circuit, said current having the same magnitude as a drive current for the circuit component.

8. (previously presented) The power supply circuit claimed in claim 5, wherein the delay circuit comprises:

a resistance serially provided between an input terminal to which the input constant voltage is applied and the output circuit; and

a capacitance element provided between a connection point of said resistance and the output circuit and a base potential terminal serving as a base potential and delaying the input constant voltage.

- 9. (previously presented) The power supply circuit claimed in claim 5, wherein, when the supply voltage is supplied to a plurality of loads, the delay circuit and the output circuit and the bootstrap circuit are provided for each of the loads.
- 10. (previously presented) The power supply circuit claimed in claim 5, wherein the bootstrap circuit comprises a transistor.
- 11 (previously presented) The power supply circuit claimed in claim 10, wherein a base of the transistor is connected to the delay circuit and a collector or emitter of the transistor is connected to the output circuit.
- 12. (previously presented) The power supply circuit claimed in claim 11, wherein the collector or emitter provide a current based on the connection of the base of the transistor to a transistor of the output circuit.

- 13. (previously presented) The power supply circuit claimed in claim 12, wherein electrical characteristics of the transistors are the same.
- 14. (previously presented) The power supply circuit claimed in claim 11, wherein the base of the transistor is connected to the delay circuit through a current mirror circuit.
- 15. (previously presented) In a power supply circuit for generating a supply voltage based on an input constant voltage and supplying the supply voltage to a load, the improvements comprising:

a delay circuit for delaying the input constant voltage;

an output circuit for receiving the input constant voltage delayed by the delay circuit and generating the supply voltage supply; and

a bootstrap circuit connected between the delay circuit and the output circuit for heightening an input impedance of the output circuit and reducing shock noise.

- 16. (previously presented) The power supply circuit claimed in claim 13, wherein the bootstrap circuit is connected directly to the output circuit.
- 17. (new) The power supply circuit claimed in claim 15, wherein the bootstrap circuit comprises a transistor.
- 18. (new) The power supply circuit claimed in claim 15, wherein the bootstrap circuit is connected directly to the output circuit.